RFP No: iCLM HQ 926/TPT: For the Custom Design, Supply, Installation, Configuration, Testing and Commissioning of a Fuel Management System for Transnet SOC Limited (Reg. No. 1990/000900/30) Operating as Transnet Port Terminals (Hereinafter Referred to as "TPT"), at the Richard's Bay, Durban, Eastern Cape and Western Cape Terminals for a period of 60 months.

Clarification 02

Questions	Answers
Does the bid cover the changing of existing fuel dispensers which would include civil works as the current dispensers are too old to be able to automate based on the pictures contained in the clarification document?	No, TPT is currently upgrading it's fuel facilities.
In the clarification document issued on page 156 and 157 is that the current asset register we should use to design and quote?	Yes
Are we only quoting for automation and not other findings highlighted in the document?	can the bidder elaborate on which findings that are referring to? But yes, the FMS is only focusing on the automation.
As per the tender requirements; Instrumentation Engineer/Technologist has active professional Registration certificate with Engineering Council of South Africa (ECSA), ECSA only make provision for registration under the following categories: i Professional Engineer ii Professional engineering technologist iii Professional certified engineer iv Professional engineering technician	The Instrumentation Engineer must at least have a minimum qualification of a National Diploma in Electrical/Electronic Engineering and at least 5 years post ECSA registration as Pr Eng/Pr Tech Eng. Ie, we are looking for an electrical or electronic Pr/Pr Tech Eng with instrumentation experience. "Instrumentation Engineer is not implying the registration category but the name of the appointment"
There is no category for Instrumentation Engineer / Technologist, please advise if Electrical, Engineer with instrumentation is implied?	Categories i. Professional Engineer & ii. Professional Engineering Technologist will be accepted
"The key person for eligibility is required to be ECSA registered but what if the key person is registered by an international engineering body such as the United Kingdom's Engineering Council i.e. the key person being a registered **Chartered Engineer (CEng)**."	The key person must be ECSA registered. An equivalent registration accredited in another country will not be accepted.

Please note: The Engineering Council is UK's regulatory authority for registration of Chartered and Incorporated engineers and engineering technician.	

Tender Clarification Questions

Civil & Electrical Works
- Are there any civil works required as part of the project scope? Site visit shall be used for bidders to assess all necessary requirements for the provision and installation of the required hardware. All installation details to be qualified clearly under the method statement.
- Who is responsible for executing the electrical work? This is a scope requirement and shall be the responsibility of the service provider. Bidders are expected to explain all these requirements as part of the method statement and price under the provision of hardware and installation activities.
- If electrical work is required, who will issue the Certificate of Compliance (COC)? This is part of the testing and commissioning requirement as per SANS and OHS Act requirements.
- What power supply is available on-site (220V / 380V / 525V)? 230/400V
- If a step-down from 525V to 220V is necessary, who will be responsible for the conversion costs? To be priced under the provision and installation of the hardware.

Connectivity Requirements
- Will the client provide Wi-Fi connectivity at each site? The devices need to be Wi-Fi and GSM enabled. Should Transnet Wi-Fi not be possible, the alternative will be to connect via 4G/5G. Wifi and GSM connectivity is the responsibility of Transnet. The device connection capability to Wi Fi or GSM is for the responsibility of the Service Provider (SP)/ Bidder
- If no Wi-Fi or GSM coverage is available at a site, what alternative arrangements should be made? One or the either will be available for connectivity. The SP / Bidder needs to ensure the provided devices can connect via WiFi AND GSM, depending on availability

Biometrics
- What are the specific biometric authentication requirements? B Biometric authentication will be the user's fingerprints. One (1) finger will suffice for authentication purposes. However, two (2) fingerprints will be enrolled per user onto the system as an alternate option, should authentication fail on the primary fingerprint enrolled. The authentication device must have the ability to access information in memory for those instances where there is a break in network connectivity or power failure. As soon as network connectivity or power is restored, the device must transmit the stored access/user information to the software solution provided by the Contractor. The device must therefore have sufficient memory and battery life to store the aforementioned data for a period of at least 48 hours. The device must respond to an access/activation attempt within 1-2 seconds.

- Is biometrics required only for refueling authentication, or also for time-and-attendance (check-in/check-out)? T&A is not in the scope of this project. Therefore, this is not a requirement
- Who will manage the biometric data and access control? Since the Biometrics is not integrated into the existing T&A, biometric data and access control management will be for the SP / Bidder's responsibility falling in the support and maintenance period, and handover thereafter. This will fall into the Transnet Security terminal personnel's responsibility once the support and maintenance period has been concluded
- Will a centralized biometric database be provided? The Biometric solution will form part of the SP's/ Bidder's responsibility. The database to host the solution will be for Transnet's account and could form part of the FMS Solution database or standalone. This will be guided by the SP's/ Bidder's solution design
- Is integration with existing biometric systems required, and if so, what equipment is currently deployed? This is not in the scope of this project

Software, Hosting & IT Infrastructure

- Will Transnet host the fuel management software on their own infrastructure? Yes. This will be in the Transnet Azure Cloud environment
- Where will the servers be hosted — on-premises, VM, Microsoft Azure, AWS, or other? Microsoft Azure
- Will the system be serverless, or is dedicated server hosting required? This will be informed based on the SP's Solution Design. Transnet's Azure Cloud has both capability
- Will Transnet supply necessary software licenses (e.g., SQL, Microsoft Office)? Transnet has SQL Server and MS Office licences. Any other license not covered within the Transnet License Stack must be covered by the SP/ Bidder. Following the Project Implementation, renewal of licenses will be for Transnet's account. The SP/ Bidder can indicate what other licenses will be required?
- Will static IPs and internet access be provided for system communications? If there is a need for such, Transnet will provide
- Will the fuel management provider have administrative access to the server environment? What do you mean by "fuel management provider"? The SP providing the solution will have the relevant access to the infrastructure to achieve the objective. The Transnet access control procedures will be followed
- Who is responsible for server maintenance and updates? Patching and Updates will be for Transnet's responsibility
- Will there be a Service Level Agreement (SLA)? If yes, is it per site, per region, or national? The SLA will be aligned to the System Support and Maintenance agreement. This will be applicable for every site at which the solution has been implemented

Integration & Reporting
- Is there a requirement for Microsoft Power BI integration for reporting dashboards? Yes
- Will integration with SAP or other enterprise systems be needed? Although the solution integration into SAP and other Transnet systems are not in the scope of this project , integration capability needs to exist through developed APIs by the SP. The APIs ARE in the scope of this project.
- Should integration be via API layers, or by pushing/pulling data from a defined location? It will be via pushing/ pulling of data from a defined location. This will be guided by the solution design from the SP.